Abstract

A system and method for real time monitoring and control of energy consumption at a number of facilities to allow aggregate control over the power consumption. A central location receives information over a communications network, such as a wireless network, from nodes placed at facilities. The nodes communicate with devices within the facility that monitor power consumption, and control electrical devices within the facility. The electrical devices may be activated or deactivated remotely by the central location. This provides the ability to load balance a power consumption grid and thereby proactively conserve power consumption as well as avoid expensive spikes in power consumption. The present invention also includes a wireless network for communicating with the number of facilities, and which allows other information to be collected and processed.